United Nations Environment Programme

EP

Distr.
LIMITED

UNEP/WG.7/22
2nd March 1977

Original: ENGLISH

UNEP Meeting of experts designated by Governments, Intergovernmental and Non-Governmental Organizations on the Ozone Layer

Washington, D.C., 1-9 March 1977

CONTRIBUTION OF SWITZERLAND TO THE WMO OZONE RESEARCH AND MONITORING PROGRAMME

1) Ozone sounding at the Aerological Station of the Swiss Meteorological Office at Payerne, 3 times per week in continuation of the present 10 year sounding series in Switzerland (Thalwil and Payerne).

2) Total ozone observation and observations of the vertical distribution by the Umkehr method at the Lightclimatic Observatory at Arosa in parallel with 2 Dobson spectrophotometers and in addition to one automated instrument (continuous observation of the total amount). The Arosa series of total ozone observation includes now 50 years and is the longest of its kind. The Umkehr measurements are made now for almost 20 years with one and for 10 years with two instruments.

3) Evaluation and interpretation of these data. Work with a photochemical model making use as soon as possible of the data of the first phase of WMO Ozone Research and Monitoring project.

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